

AMENDMENT TO CLAIMS

1. (presently amended) A structural component made of long-fiber reinforced thermoplastic material with integrated continuous fiber-reinforcements, the component comprising:

- at least three separate, individually integrated, shaped continuous fiber profiles,
- the at least three continuous-fiber profiles extending into different directions and running together at a location,
- the at least three continuous-fiber profiles, at the location where they run together, defining a three-dimensionally developed intersection point,
- wherein at the intersection point at least a first continuous-fiber-profile lies in an upper plane of the intersection point, at least a second continuous-fiber profile lies a lower plane of the intersection point, and wherein at least a third continuous-fiber-profile with a vertical extension extends continuously between the first and second continuous-fiber profiles;
- wherein the continuous-fiber-profiles are joined together by the long-fiber-reinforced thermoplastic material at the intersection point.

2. (presently amended) The structural component of claim 1, characterised in that ~~points of introduction of external force are formed by means of shapings~~ shapes of the long-fiber-reinforced thermoplastic material, or ~~by shapings~~ shapes of the continuous-fiber profiles, ~~or both are forming points of introduction of external force.~~

3. (original) The structural component of claim 1, characterised in that the three-dimensional intersection points are developed as "X"-, "T"- or "L"-shaped.

4. (canceled)

5. (original) The structural component of claim 1, characterised in that the continuous-fiber-profiles are built up out of layers with differing fiber orientations.
6. (original) The structural component of claim 1, characterised in that the long-fiber-reinforced thermoplastic mass comprises an average fiber length of at least 3 mm.
7. (original) The structural component of claim 1, characterised in that the continuous-fiber-profiles comprise a continuous fiber reinforcement made out of glass-, carbon- or aramide fibers.
8. (presently amended) The structural component of claim 1, characterised in that the thermoplastic material of the long-fiber-reinforced thermoplastic mass ~~6)~~ and of the continuous-fiber-profiles consists of partially crystalline polymers selected from the set consisting of polypropylene, polyethylene-terephthalate, polybutylene-terephthalate and polyamide.
9. (presently amended) The structural component of claim 1, characterised in that the continuous-fiber profiles comprise a three-dimensional profile ~~shaping~~ing.
10. (original) The structural component of claim 1, characterised in that the continuous-fiber-profiles comprise a bend, a twist, a fold or a surface structuring in longitudinal direction.
11. (original) The structural component of claim 1, characterised in that the continuous-fiber-profiles comprise differing cross-sectional shapes.
12. (presently amended) The structural component of claim 1, characterised in that ~~shapings on the continuous-fiber-profiles and shapings of the long-fiber-reinforced thermoplastic mass are extending between points of introduction of external provided for force, introductions and for force transmissions between the continuous-fiber-profiles and the long-fiber-reinforced thermoplastic mass as well as to inserts.~~

13. (presently amended) The structural component of claim 1, characterised in that a continuous-fiber-profile with a positioning shoulder, a ~~thick~~ tensile- and compressive force zone on top and underneath as well as a ~~thinner~~ thrust zone in between is formed, which is positioned in a rib or in a crimp wall of the structural component, and wherein the tensile- and compressive force zones are thicker than the thrust zone.
14. (original) The structural component of claim 1, characterised in that the continuous-fiber-profiles form a moment-load lever structure with a T-shaped or L-shaped three-dimensional intersection point.
15. (original) The structural component of claim 1, characterised in that the structural component forms a single seat back with a belt connection.
16. (original) The structural component of claim 1, characterised in that the structural component forms a two-thirds rear seat back with belt connection and lock.
17. (original) The structural component of claim 1, characterised in that the structural component forms a seat shell or a cabin floor.
18. (original) The structural component of claim 1, characterised in that the structural component forms a supporting structure of a car door with integrated side-crash protection.
19. (original) The structural component of claim 1, characterised in that the structural component is assembled out of at least two parts welded together.
20. (original) A method for the manufacturing of a structural component, the method comprising the steps of:

depositing several shaped continuous-fiber-profiles in a tool for shaping long-fiber-reinforced thermoplastic, n LFT-shaping tool,

the profiles deposited one after another or together;

subsequently introducing a long-fiber-reinforced thermoplastic mass;

in a single step, pressing the long-fiber-reinforced thermoplastic mass together with the continuous-fiber-profiles into a one-piece component.